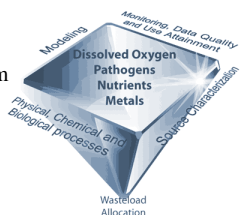


POTOMAC PCB TMDL DEVELOPMENT

What Is A TMDL?

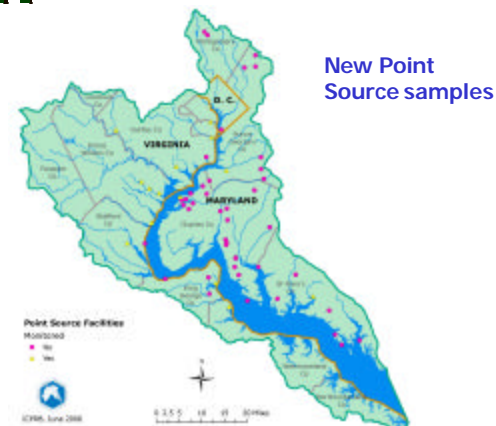
TMDL = Total Maximum Daily Load

- Establishes the amount of a pollutant a stream can contain and still meet Water Quality Standards
- The PCB TMDL study will include:
 - A definition of the problem
 - A detailed accounting of pollutant sources
 - A definition of water quality targets
 - Linkage between pollutant loading and instream response
 - Allocations to various sources
 - Assurance of implementation



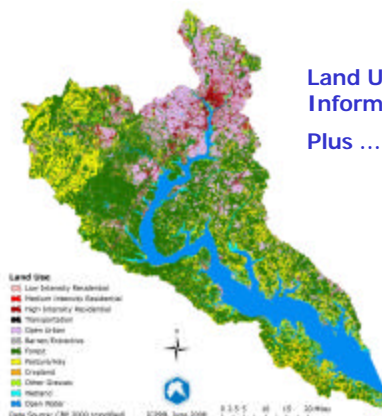
Sources of PCBs

- Point Sources** — municipal and industrial wastewater treatment plants
- Nonpoint Sources** — stormwater runoff from urban areas, combined sewer overflows, atmospheric deposition, runoff from contaminated sites
- Tributaries** — contamination from entering the Potomac from smaller tributary rivers



New Point Source samples

Land Use Information
Plus ...



New tidal & non-tidal samples, plus ...

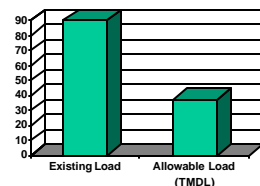
A TMDL Establishes Pollutant Allocations

TMDL = WLA (point sources) + LA (NPS) + Margin of Safety

WLA: Allocations will be developed for municipal and industrial point sources and MS4 communities

LA: Loads to atmosphere, tributaries, etc

MOS: Most likely will be in form of conservative modeling assumptions

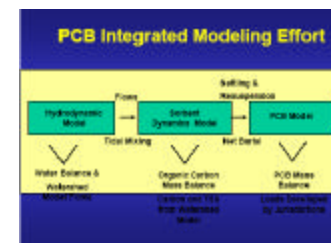


The Potomac TMDL Process

- Multi-jurisdictional effort in the tidal Potomac River basin coordinated by the ICPRB
- Project partners include Maryland, Washington, D.C., Virginia, the U.S. EPA, ICPRB and MWCOG
- Jurisdictions agreed to develop a watershed TMDL adhering to the Washington, D.C. court ordered timeline
- Include stakeholders in the process through technical advisory committee and public meetings

Computer Models

Will provide linkage between pollutant loading and instream response



PCB TMDL Development

- The TMDL will develop source-specific allocations
- The TMDL will most likely require significant reductions from ALL sources
- Implement using existing programs and regulatory authorities, reassess, adjust effort as appropriate
- Implementation will take many forms — this aspect of the TMDL has not yet been developed

